

### 105.13 - Lead in Paint, Dust, and Soil (powder and sheet forms)

These SRMs and RM have been developed in conjunction with the U.S. EPA to monitor paint, soil, and dust sources of lead. SRMs 2570 through 2576 consist of one Mylar™ sheet per unit. Each sheet, 7.6cm × 10.2cm, is coated with a single uniform paint layer for use with portable x-ray fluorescence analyzers. SRM 2579a consists of a set of six Mylar sheets, one each of SRMs 2570 through 2575. SRMs 2580, 2581, 2582, and 2589 consist of paint that has been ground and homogenized into a powder, 99+% of which passes a 100mm sieve. SRM 2583 and SRM 2584 consist of dust, 99+% of which passes a 100mm sieve, that was collected in vacuum cleaner bags during cleaning of dwelling interiors. SRM 2583 and SRM 2584 are certified for arsenic, chromium, cadmium, lead, and mercury. [Also see Category 106.] SRMs 2584, 2586, and 2587 are dust or soil matrices containing lead from paint. RM 8680 consists of a 10.2cm wide × 15.2cm long × 1.3cm thick section of painted fiberboard and is intended for use in the evaluation of destructive and nondestructive methods of measuring lead in paint on fiberboard.

For organic contaminants in indoor dust see SRM 2585. See [Table 109.1](#).

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	Lead Concentration and Other Elements
1648a	Urban Particulate Matter	2 g	0.655 % Pb, 24 elements certified, <i>8 reference values</i>
2569	Lead Paint Films for Children's Products	8 sheets	3 levels Pb (mg/kg): <0.2, 85.0, 314.4 <i>3 reference values</i> for density of paint
2570	Lead Paint Film, White/Blank Nominal	1 film	<0.001 mg/cm <sup>2</sup> Pb
2571	Lead Paint Film (Yellow), Nominal 3.5 mg/cm <sup>2</sup>	1 +blank	3.58 mg/cm <sup>2</sup> Pb
2572	Lead Paint Film (Orange), Nominal 1.6 mg/cm <sup>2</sup>	1 +blank	1.527 mg/cm <sup>2</sup> Pb
2573	Lead Paint Film (Red), Nominal 1.0 mg/cm <sup>2</sup>	1 +blank	1.040 mg/cm <sup>2</sup> Pb
2574	Lead Paint Film (Gold), Nominal 0.7 mg/cm <sup>2</sup>	1 +blank	0.714 mg/cm <sup>2</sup> Pb
2575	Lead Paint Film (Green), Nominal 0.3 mg/cm <sup>2</sup>	1 +blank	0.307 mg/cm <sup>2</sup> Pb
2576	Lead Paint Film, High Level	1 +blank	5.59 mg/cm <sup>2</sup> Pb
2579a	Lead Paint Films for Portable XRF Analyzers	set (6)	0.307 to 3.58 mg/cm <sup>2</sup> Pb 5 levels plus blank
2580	Powdered Paint Nominal 4% Lead	30 g	4.34 % Pb
2581	Powdered Paint Nominal 0.5 % Lead	35 g	0.449 % Pb
2582	Powdered Paint Nominal 200mg/kg Lead	20 g	208.8 mg/kg Pb
2583	Trace Elements in Indoor Dust	8 g	85.9 mg/kg Pb, 5 elements certified
2584	Trace Elements in Indoor Dust	8 g	9761 mg/kg Pb, 5 elements certified, <i>10 reference values</i>
2586	Trace Elements in Soil (contains lead from paint)	55 g	432 mg/kg Pb, 4 elements certified, <i>18 reference values</i>
2587	Trace Elements in Soil (contains lead from paint)	55 g	3242 mg/kg Pb, 4 elements certified, <i>14 reference values</i>
2589	Powdered Paint Nominal 10% Lead	35 g	9.99 % Pb
2783	Air Particulate on Filter Media	2 +2 Blnk (47 mm dia)	317 ng/filter Pb, 18 elements certified <i>9 reference values</i>
8680	Paint on Fiberboard	each	<i>individually value assigned</i>

Certified values are normal font.

Reference values are italicized.

Values in parentheses are for information only.